



Mr. Bradley M. Gardner

An accomplished engineer in waste containment

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Education: Mr. Bradley M. Gardner received his B.S. in Industrial Technology from the University of Idaho in May 1995. He also completed the 30-credit program at University of Idaho for a proficiency certificate in Waste Management.

Work experience: Mr. Gardner began his career at the INL in 1985 as a manager over Material Control. While in this position, he created the material control organization for the SMC project. He currently holds a systems engineer position, which involves working on several projects such as the System Description Documents for the Yucca Mountain Project.

Professional endeavors: Early in his career at the INL, Mr. Gardner created the material control organization for the SMC project. Responsibilities included managing all phases of the Material Control & Warehousing operation from project management and budget development to receipt, storage and disbursement for classified process materials, equipment and parts. Developed procedures and processes to control movement and traceability of all product parts and materials for the M1 tank armor manufactured at the SMC facility.

From 1993 to 1997, Mr. Gardner served as project manager and science/engineering technical contributor for various Buried Waste Integrated Demonstration (BWID) projects including retrieval and solidification technologies, innovative waste conveyance and end-effector projects, in situ vitrification and other waste treatment technologies. Project management responsibilities included planning and development of work packages, project tracking and reporting, budget and schedule accountability, safety and regulatory compliance, technical contribution to the projects included technical input to procedures, test plans, progress reports, and results analysis, as well as technical review of project deliverables. In FY-05, Mr. Gardner was the Project Manager for the BWID Treatment/ Assay program with management responsibility for six BWID projects related to the Retrieval, Assay, and Treatment of hazardous wastes.

Mr. Gardner is currently working as systems engineer providing operations perspective on several projects including System Description Documents for the Yucca Mountain Project, WAG 3 Environmental and operations support for design tasks including project lead for the SFE-20 tank retrieval project and surface soils remediation projects in WAG 3. Responsibilities included field test procedure development and field team leader, as well as work to establish major contracts with several vendors to conduct field testing and associated tasks over three year funding cycle.

Patents:

U.S. Patent No. 5,788,422 – Underground Barrier Construction Apparatus with Soil-Retaining Shield

U.S. Patent No. 5,791,825 – Device and Method for Producing a Containment Barrier Underneath and Around In-Situ Buried Waste

U.S. Patent No. 5,961,437 – Multi-Lay Waste Containment Barrier

U.S. Patent No. 5,980,446 – Methods and Systems for Subsurface Stabilization Using Jet Grouting

U.S. Patent No. 6,016,714 – Sensor System for Buried Waste Containment Sites

Licensing information

For information on licensing INL technologies such as those developed by Mr. Gardner, contact the Lead Account Executive for Environmental:

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